

1 **Amendment of the Claims**

2 **In the Claims:**

3 Please amend Claims 1, 4, 5, 6, 8, 11 - 17, 19, 20, 21, 22, and 24 as follows:

4 1. (Currently Amended) An accessory for use with one of an existing external antenna
5 system and an existing internal antenna system of a wireless device to provide an increased range and
6 to control directional characteristics of wireless signals that are transmitted and received ~~thereby by~~
7 the wireless device, comprising:

8 (a) a support adapted to be removably coupled and physically mounted to a
9 wireless device at a predefined distance from at least one of an existing internal antenna system and
10 an existing external antenna system thereof, where the external antenna system includes an external
11 antenna that is physically mounted on and physically supported by the wireless device; and

12 (b) a conductive material disposed on the support and extending over an area of
13 sufficient size, so that when the accessory is disposed adjacent to at least one of an existing internal
14 antenna system and an existing external antenna system of a wireless device, the conductive surface
15 serves as a reflector for wireless signals to enhance at least one of a range and directionality of
16 wireless signals transmitted or received by a the wireless device, thereby enabling the range and
17 directionality of wireless signals that are transmitted and received, to be enhanced by the accessory.

18 2. (Original) The accessory of Claim 1, wherein the conductive material defines a surface
19 extending over the support.

20 3. (Original) The accessory of Claim 2, wherein the surface defined by the conductive
21 material is generally planar.

22 4. (Currently Amended) The accessory of Claim 2, wherein the surface defined by the
23 conductive material is curved in a shape selected so that when the accessory is disposed at the
24 predefined distance from at least one of an existing internal antenna system and an existing external
25 antenna system, wireless signals are directed in a desired pattern by the conductive material.

26 5. (Currently Amended) The accessory of Claim 2, wherein the surface defined by the
27 conductive material extends over an area sufficient in size so that the surface is disposed at the
28 predefined distance from a plurality of antennas comprising an existing internal antenna system and
29 an existing external antenna system of a wireless device.

30 ///

1 6. (Currently Amended) The accessory of Claim 1, further comprising a clip that is sized and
2 shaped so as to couple the accessory to an antenna of a wireless device, wherein the antenna
3 comprises an existing external antenna system of the wireless device.

4 7. (Original) The accessory of Claim 6, wherein the clip includes a director disposed on a
5 side of the clip opposite from the support and sized and shaped to direct a wireless signal produced or
6 received by a wireless device.

7 8. (Currently Amended) The accessory of Claim 1, ~~further comprising~~ wherein the support
8 comprises a base that is sized and shaped so as to couple the accessory to a housing of a wireless
9 device.

10 9. (Original) The accessory of Claim 1, further comprising a fixture for hanging the
11 accessory and a wireless device from a vertical surface.

12 10. (Original) The accessory of Claim 1, wherein the predefined distance comprises about a
13 quarter wavelength of a wireless signal produced or received by a wireless device.

14 11. (Currently Amended) A method of increasing at least one of a range and a directionality
15 of a wireless device, comprising the steps of:

16 (a) providing a conductive surface on a support; and

17 (b) removably physically mounting the ~~conductive surface~~ support for the
18 conductive surface to the wireless device, at a predefined distance from at least one of an any existing
19 external antenna system mounted on and physically supported by the wireless device, and any
20 existing internal antenna system of the wireless device, so that when the support is physically
21 mounted thereon to the wireless device, the conductive surface acts as a reflector of a wireless signal
22 produced or received by the wireless device, thereby increasing at least one of the range and the
23 directionality of the wireless signal produced or received by the wireless device.

24 12. (Currently Amended) The method of Claim 11, further comprising the step of curving
25 the conductive surface in a shape selected so that when the conductive surface is disposed at the
26 predefined distance from the at least one of the existing external antenna system and the existing
27 internal antenna system on the wireless device, wireless signals are directed in a desired pattern by
28 the conductive surface.

29 13. (Currently Amended) The method of Claim 11, further comprising the step of extending
30 the conductive surface over an area sufficient in size so that the conductive surface is disposed at the

1 predefined distance from a plurality of antennas comprising the existing external antenna system and
2 the existing internal antenna system of the wireless device.

3 14. (Currently Amended) The method of Claim 11, further comprising the step of enabling
4 the support for the conductive surface to mount on and be supported by an antenna comprising the
5 existing external antenna system of the wireless device.

6 15. (Currently Amended) The method of Claim 11, further comprising the step of enabling a
7 base of the support for the conductive surface to couple with a housing of the wireless device, so that
8 the wireless device is supported thereby.

9 16. (Currently Amended) The method of Claim 11, further comprising the step of enabling a
10 the support for the conductive surface to be employed to attach the conductive surface and the
11 wireless device to a vertical surface.

12 17. (Currently Amended) The method of Claim 11, further comprising the step of including
13 a director for the wireless signals, said director extending beyond an antenna of the existing external
14 antenna system and being supported by a clip that attaches one of the support for the conductive
15 surface and the director to the antenna.

16 18. (Original) The method of Claim 11, wherein the predefined distance is equal to about
17 one quarter wavelength of the wireless signal transmitted or received by the wireless device.

18 19. (Currently Amended) An accessory for use with at least one of an existing external
19 antenna system and an existing internal antenna system of a wireless device, the wireless device
20 electronically generating wireless signals for transmission by the at least one of the existing external
21 antenna system and the existing internal antenna system and processing wireless signals received by
22 the at least one of the existing external antenna system and the existing internal antenna system, the
23 accessory comprising:

24 (a) a conductive surface; and

25 (b) a support having means for removably coupling the conductive surface to a
26 wireless device and maintaining the conductive surface at a predefined distance from at least one of
27 an existing external antenna system and an existing internal antenna system of a wireless device, so
28 that a wireless signal transmitted or received by a wireless device is reflected with at least one of an
29 extended range and a desired directional characteristic, thereby enabling the at least one of the
30 extended range and the desired directional characteristic of a wireless signal transmitted or received

1 by at least one of an existing internal antenna system and an existing external antenna system to be
2 wirelessly enhanced by the accessory.

3 20. (Currently Amended) The accessory of Claim 19, wherein the conductive surface is
4 curved to focus a wireless signal relative to at least one of an existing external antenna system and an
5 existing internal antenna system of a wireless device.

6 21. (Currently Amended) The accessory of Claim 19, wherein the conductive surface is
7 generally planar and extends over an area sufficient to overlap antennas of an existing external
8 antenna system and an existing internal antenna system of a wireless device.

9 22. (Currently Amended) The accessory of Claim 19, further comprising a director that
10 extends opposite the conductive surface, said accessory being supported by a clip that is coupled to
11 an antenna comprising an existing external antenna system of a wireless device, said director
12 providing at least one of an increased gain and a desired directional characteristic for a wireless
13 signal produced by a wireless device.

14 23. (Original) The accessory of Claim 19, wherein the support includes at least one bracket
15 for mounting the accessory to a vertical surface.

16 24. (Currently Amended) The accessory of Claim 19, wherein the means for removably
17 coupling the conductive surface to a wireless device include an arm that is shaped to clip to an
18 antenna of an existing external antenna system of a wireless device.

19 25. (Original) The accessory of Claim 19, wherein the means for removably coupling the
20 conductive surface to a wireless device include a bracket having a shape adapted to receive and
21 connect to a housing of a wireless device.

22 26. (Original) The accessory of Claim 19, wherein the conductive surface is sized and
23 shaped to reflect wireless signals relative to both an internal antenna and an external antenna of a
24 wireless device.

25 27. (Original) The accessory of Claim 19, wherein the conductive surface comprises a
26 metallic layer on the support.